JAN 0 5 1993

I 53.17/2:992/5

BUREAU OF LAND MANAGEMENT MONTHLY ALERT

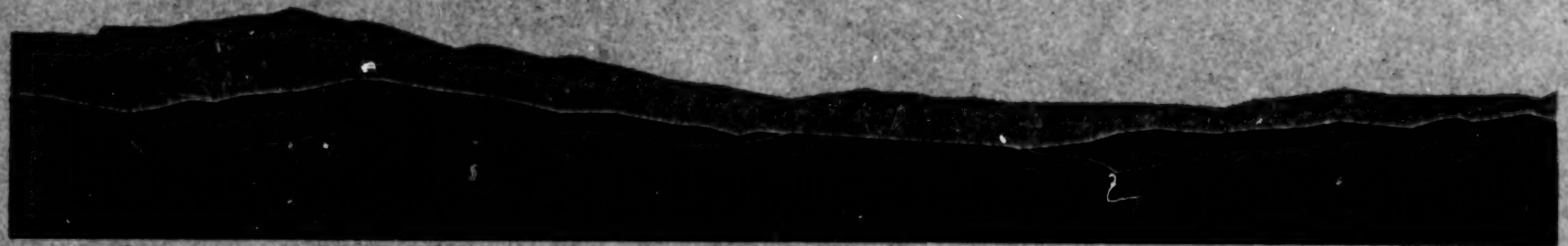
BLM Library Denver, CO

May 1992

IN THIS ISSUE

- *Management Alert*
- *RECENT ADDITIONS Book List*

COMPLETED



About the MONTHLY ALERT...

Forestry Topics

1. Forests and Forestry
General treatments of the subject; forestry and society; topical issues; education; agency annual reports.

2. Forest Operations
a. Silviculture: silvicultural systems; economics; stand improvement; measurement; operations management; natural and artifical regeneration, genetics.
b. Engineering: road construction; protective works; logging; equipment.

3. Forest Injury and Protection
Insect damage and control; pesticide applications; insect and disease surveys; forest pathology.

4. Fire Management
All aspects, including presuppression, prevention education, behavior; fire weather.

5. Watershed Management, with Soil and Site Factors
Hydrology; runoff; sedimentation; erosion; climatology; meteorology; habitat regions; precipitation.

6. Range and Wildlife Management

7. Forest Recreation

8. Forest Products Research
Wood technology and utilization; markets and marketing; forest products industries.

Allied Topics

9. Life Sciences
Plant and animal ecology; botany; environmental quality; biochemistry; zoology; physiology; animal genetics.

10. Computer Science, Statistics and Mathematics

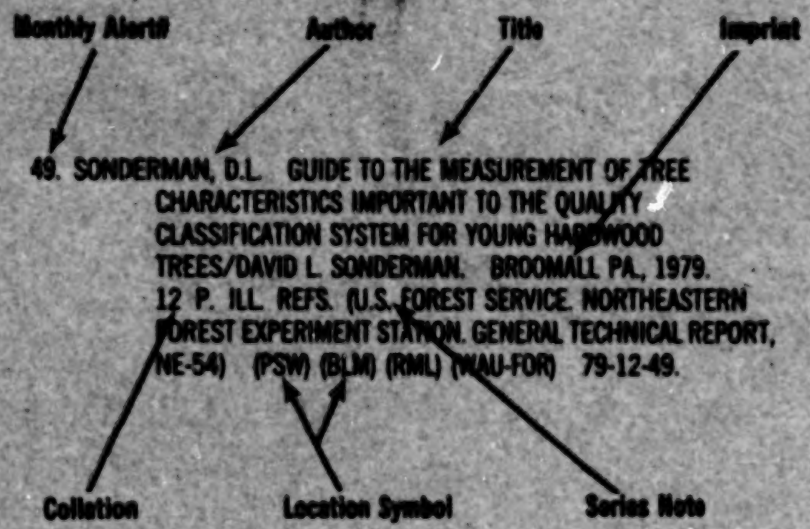
11. Social Sciences
Environmental policy; regional planning; landscape analysis and planning; behavioral psychology; personnel management; office procedure and management.

12. Other Topics

The citations listed in this Alert are arranged in broad topical categories. This permits browsing by subject interest.

The **Species Index** and the **Subject Index** on the following pages identify individual citations by narrower, specific topics, e.g., management treatments, problem areas, and geographic locations.

Sample *Monthly Alert* Citation:



About Bureau of Land Management *Monthly Alert*

Bureau of Land Management *Monthly Alert* announces recent publications significant to natural resources management and research. These publications are located and made available through an interagency agreement between BLM and the USFS Forest Information Network. Subject areas are generally limited to renewable resources and fire management.

Most items listed in each ***Monthly Alert*** are reprints of current journal articles or research papers. They are sent to you at your office without charge upon receipt of your order (see inside back cover). Books and other large documents will be loaned to you for a specific period of time. Those items available for loan only are identified by a • beside the item in the citation.

The ***Monthly Alert*** is available to all BLM employees. It is operated by the BLM Library, Service Center, Denver, Colorado. BLM employees are cautioned not to use ***Monthly Alert*** services from Forest Service Service Centers. The BLM Library now provides these services.

About the BLM Library

The BLM Library is located at the Service Center. It performs a full range of library services for all BLM personnel at no charge. It has computer-based literature searching capability for all subject areas. Literature searches may be requested on BLM Form 1279-2. The BLM Library has extensive reference and access to libraries of every government agency, universities, private institutions and foreign governments. If you have a need for library assistance that cannot be obtained locally, contact:

BLM Library
Service Center, SC-653
Denver Federal Center
Denver, CO 80225

Monthly Alert	**Reference**
•FTS 776-6434	**•FTS 776-6649**
•Com (303) 236-6434	**•Com (303) 236-6649**

BLM-ALERT!

BLM's Management Alert section is available in this month's issue.

HOT OFF THE CATALOGING SHELF

This new section includes items just received and cataloged into the BLM Library collection: new annual publications, recently published documents, etc. We thought you would like to know about them as soon as possible. Only one general subject heading has been used in order to add these items to the current list. We hope you find these latest items useful.

NEW REFERENCE BOOKS

The BLM Library has a wide range of reference information/sources available for answering the many reference questions we receive. Our reference collection is not available for check out, but is available to help answer any questions you might have.

BLM GEOLOGY ALERT

THE GEOLOGY ALERT SECTION OF THE MONTHLY ALERT CONTAINS CITATIONS REFERRING TO RECENT PUBLICATIONS IN VARIOUS GEOLOGIC SUBJECT AREAS. PLEASE NOTE THAT MANY CITATIONS ARE REFERENCES TO AN ABSTRACT ONLY. IN THOSE SITUATIONS, THE ORIGINAL PAPER WAS NOT PUBLISHED, AND ONLY THE ABSTRACT WILL BE PROVIDED.

010. FORESTRY--GENERAL

2. Charting the future : a strategic plan for the Pacific Northwest Research Station. [Portland, Or.]: The Station; [1991?]: 23 p.

3. Cortner, H. J. Commitment to change : forestry in the future : report from the Denver educational symposium. Journal of forestry; vol. 90, no. 3 (Mar. 1992): p. 15-17.

5. Every species counts : research on threatened, endangered, and sensitive plants and animals. [Washington, D.C.]: U.S. Dept. of Agriculture, Forest Service; 1992: [20] p. (Program Aid (United States. Dept. of Agriculture); 1481).

6. Lancaster, J. Searching for survival : saving the parks isn't enough. Journal of forestry; vol. 90, no. 3 (Mar. 1992): p. 20-21.

10. Recent publications of the Pacific Northwest Research Station, third quarter 1991. Portland, OR: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1992: 9 p.

11. Robinson, E. M. Know thy sponsor : project selection methods at federal research agencies. BioScience; Vol. 41, no. 8 (Sept. 1991): p. 575-577.

13. Smith, P. G. Curriculum accreditation & recognition : an updated listing of forestry programs meeting SAF criteria. Journal of forestry; vol. 90, no. 3 (Mar. 1992): p. 23-26.

15. Spahr, R.; Atwood, D.; Armstrong, L.; Rath, M. Threatened, endangered, and sensitive species of the Intermountain Region. Ogden, Utah: Available from Fisheries and Wildlife Staff, Intermountain Region, USDA Forest Service; 1991: ca. 300 p. (loose-leaf).

16. West, T. Forest reserves and forest rangers. Journal of forestry; vol. 90, no. 3 (Mar. 1992): p. 22.

17. Whaley, R. S. Forests : a heritage for the future. Journal of forestry; vol. 90, no. 3 (Mar. 1992): p. 18-19.

012. METHODOLOGY AND ADVANCED TECHNOLOGY

18. Amell, L. A.; Stock, M. W.; Gordon, S. E. Expert systems for silviculture : a task analysis. AI applications in natural resource management; Vol. 5, no. 1 (1991): p. 23-32.

19. Berry, J. S.; Kemp, W. P.; Onsager, J. A. Integration of simulation models and an expert system for management of rangeland grasshoppers. AI applications in natural resource management; Vol. 5, no. 1 (1991): p. 1-14.

20. Blinn, C. R.; Bates, P. C. An evaluation of multipoint telecommunication instruction for microcomputers. Compiler; Vol. 9, no. 3 (fall 1991): p. 28-30, 32-36.

22. Engel, B. A. Selection of an expert system development shell. AI applications in natural resource management; Vol. 5, no. 1 (1991): p. 15-22.

23. Greene, D. Software for logging. Timber harvesting; Vol. 39, no. 9 (Sept. 1991): p. 29-30.

24. Haas, T. C. Partial validation of Bayesian belief network advisory systems. AI applications in natural resource management; Vol. 5, no. 4 (1991): p. 59-71.

28. Lund, H. G. Old dogs and new tricks : computer technology and the was generation. Compiler; Vol. 10, no. 1 (spring 1992): p. 40-42.

29. Matloff, N. S. Statistical hypothesis testing : problems and alternatives. Environmental entomology; Vol. 20, no. 5 (Oct. 1991): p. [1246]-1250.

30. McGraw, J. General Aquatic Wildlife System user guide (for IBM PC XT, AT or compatible). Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Region; 1988: iv, 75 p.

32. Strand, E. J. Document conversion : when vector meets raster. GIS world; Vol. 4, no. 8 (Nov. 1991): p. 30-32.

33. Teske, M.; Ekblad, R. B. User manual extension for the computer code AGDISP MOD 6.0. Missoula, MT: U.S. Dept. of Agriculture, Forest Service, Technology & Development Program; 1991: xii, [122] p.

34. Young, L. J.; Young, J. H. Alternative view of statistical hypothesis testing. Environmental entomology; Vol. 20, no. 5 (Oct. 1991): p. [1241]-1245.

020. FOREST ECONOMICS

36. Betters, D. R.; Day, J. T. FORSTAR : a forest harvest scheduling simulation model. Compiler; Vol. 9, no. 3 (fall 1991): p. 37-38.

37. Boyd, R.; Uri, N. D. Measuring the costs of improving the quality of the environment in the United States. Water, air

and soil pollution; Vol. 55 (1991): p. [355]-377.

40. Forest Service : the all-resource system's cost features and areas for future improvements : report to the Subcommittee on Interior and Related Agencies, Committee on Appropriations, House of Representatives. Washington, D.C.: The Office; 1990: 20 p.

45. McCollum, D. W. How much is wildlife watching worth? Alaska's wildlife; Vol. 23, no. 2 (Mar./Apr. 1991): p. 4, 40.

46. Schuster, E. G.; Niccolucci, M. J. Comparative accuracy of six timber appraisal methods. The Appraisal journal; Vol. 58, no. 1 (Jan. 1990): p. 96-108.

47. Vise, R. Without capital gains incentive reforestation decreases. Forest farmer; Vol. 50, no. 9 (Sept. 1991): p. 12-13.

030. FOREST ENGINEERING

56. Hoshide, G. T. Utility hookups for campgrounds : a general guide for designing and maintaining shower, RV sanitary dump stations, and RV electrical service equipment. [San Dimas, Calif.?]: U.S. Dept. of Agriculture, Forest Service, Technology & Development Program; 1991: iv, 43 p.

58. Mason, L. Portable wetland area and stream crossings. San Dimas, Calif.: U.S. Dept. of Agriculture, Forest Service, Technology & Development Center; 1990: v, 110 p.

59. McGaughey, R. J. Timber harvest planning goes digital : PLANS : preliminary logging analysis system. Compiler; Vol. 9, no. 3 (fall 1991): p. 10-17.

62. Putnam, T.; Maloney, S. W.; Zaghloul, H. H. Evaluation of portable water treatment devices for removing Giardia lamblia from natural waters. [Missoula, Mont.]: U.S. Dept. of Agriculture, Forest Service, Technology & Development Program; 1991: iv, 96 p.

69. Tankersley, M. The system works. Timber harvesting; Vol. 39, no. 3 (Mar. 1991): p. 22-24.

70. Tankersley, M. Worth the risk. Timber harvesting; Vol. 39, no. 12 (Dec. 1991): p. 10-12.

040. FOREST MENSURATION

77. Bain, S. Forest Service remote sensing summary, 1991. Washington, DC: U.S. Dept. of Agriculture, Forest Service, Engineering Staff; [1991]: vii, 35 p. (Engineering management; EM-7140-23).

78. Berry, J. K. GIS facilitates error assessment. GIS world; Vol. 4, no. 8 (Nov. 1991): p. 38-39.

80. Dabritz, J. LTPlus, a federal success story. GIS world; Vol. 4, no. 8 (Nov. 1991): p. 22, 24.

81. Driscoll, R. S. What's available in remote sensing gear? GIS world; Vol. 4, no. 8 (Nov. 1991): p. 40-42.

82. Hall, F. C. The concept and application of growth basal area : a forestland stockability index. [Portland, OR]: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Region; 1989: xv, 86 p. (R6-Ecol-TP; 007-89).

84. Jasumback, T. Global positioning system improvements. Missoula, MT: U.S. Dept. of Agriculture, Forest Service, Technology & Development Program; 1992: 4 p. (Engineering tech tips; 9224-2312-MTDC).

88. O'Hara, T. J. A software review for TIMBER INVENTORY 123. Compiler; Vol. 9, no. 3 (fall 1991): p. 40-45.

89. Ohmann, J. L. Wildlife habitats of the north coast of California : new techniques for extensive forest inventory. [Portland, Or.]: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1992: 48 p. (Research paper PNW; RP-440).

91. Rogers, G.; van Hees, W. W. S. Timber resource statistics for the Chatham area of the Tongass National Forest, Alaska, 1982. [Portland, Or.]: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1992: 20 p. (Resource bulletin PNW; RB-186).

92. Rogers, G.; van Hees, W. W. S. Timber resource statistics for the Ketchikan area of the Tongass National Forest, Alaska, 1985. [Portland, Or.]: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1992: 18 p. (Resource bulletin PNW; RB-184).

93. Rogers, G.; van Hees, W. W. S. Timber resource statistics for the Stikine area of the Tongass National Forest, Alaska, 1984. [Portland, Or.]: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1992: iv, 19 p. (Resource bulletin PNW; RB-185).

99. van Hees, W. W. S.; Larson, F. R. Timberland resources of the Kenai Peninsula, Alaska, 1987. [Portland, Or.]: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1991: 56 p. (Resource bulletin PNW; RB-180).

101. Weih, R. C. Digital elevation models : an important component of geographic information systems. Compiler; Vol. 9, no. 3 (fall 1991): p. 5-9.

102. Wilkinson, D. M. Can photographic methods be used for measuring the light attenuation characteristics of trees in leaf? Landscape and urban planning; Vol. 20, no. 4 (1991): p. 347-349.

050. SILVICULTURE

106. Mellette, M. R. Consultants help landowners become better stewards of the environment. Forest farmer; Vol. 50, no. 9 (Sept. 1991): p. 10-11.

051. ARTIFICIAL REGENERATION

109. Gottfried, G. J.; Heidmann, L. J. Effects of gibberellic acid, N-6-benzylaminopurine, and acetone on pinyon (Pinus edulis) germination. Fort Collins, Colo.: USDA, Forest Service, Rocky Mountain Forest and Range Experiment Station; 1992: 5 p. (Research note RM; 514).

111. Jasumback, T. Pollen equipment for seed orchards. Tree planters' notes; Vol. 42, no. 4 (fall 1991): p. [4]-5.

112. Karsky, D. Seedling box lifter. Tree planters' notes; Vol. 42, no. 4 (fall 1991): p. [6].

052. SILVICULTURAL METHODS

117. Abrahamson, L. P. Cost effectiveness of utility rights-of-way vegetation management treatments. I, Initial clearing. Journal of arboriculture; Vol. 17, no. 12 (Dec. 1991): p. 325-327.

123. Hicks, E. Consultants aid landowners with reforestation. Forest farmer; Vol. 50, no. 9 (Sept. 1991): p. 6-7.

126. McCaughey, W. W.; Fieldler, C. E.; Schmidt, W. C. Twenty-year natural regeneration following five silvicultural prescriptions in spruce-fir forests of the Intermountain west. Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1991: 12 p. (Research paper INT; 439).

129. Perala, D. A. Deja vu : "does it pay to thin young aspen?" Space to grow : spacing and thinning in northern Ontario : proceedings of a symposium : 18-20 June 1990, ... Sault Ste. Marie, Ontario. [Sault Ste. Marie, Ont.] : Forestry Canada Ontario Region, 1991: p. 139-144. (Joint report (Great Lakes Forestry Centre) ; 15).

072. ANATOMY/MORPHOLOGY

137. Kaplan, D. R.; Hagemann, W. The relationship of cell and organism in vascular plants : are cells the building blocks of plant form? BioScience; Vol. 41, no. 10 (Nov. 1991): p. 693-703.

073. PLANT PHYSIOLOGY

140. Powells, H. A.; Means, J. E. The tree and its environment. Silvics of North America. Washington, DC : U.S. Dept. of Agriculture, Forest Service : For sale by the Supt. of Docs., 1990: p. [1]-11. (Agriculture handbook (United States. Dept. of Agriculture) ; 654).

145. Neely, D. Water transport at stem-branch junctures in woody angiosperms. Journal of arboriculture; Vol. 17, no. 11 (Nov. 1991): p. 285-290.

147. Raynie, D. E.; Harper, K. T.; Nelson, D. R. Alkaloidal relationships in the genus Arctomecon (Papaveraceae) and herbivory in A. humilis. The Great Basin Naturalist; Vol. 51, no. 4 (Dec. 1991): p. 397-403.

148. Strong, T.; Hansen, E. A. Response of three Populus species to drought. St. Paul, Minn.: U.S. Dept. of Agriculture, Forest Service, North Central Forest Experiment Station; 1991: 9 p. (Research paper NC; 302).

074. PLANT ECOLOGY

151. Ferguson, D. E.; Crookston, N. L. User's guide to version 2 of the Regeneration Establishment Model : part of the Prognosis Model. Ogden, UT: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1991: 34 p. (General technical report INT; 279).

153. Luken, J. O. Managing power-line corridor vegetation. Journal of arboriculture; Vol. 17, no. 12 (Dec. 1991): p. 318-322.

154. McPherson, G. R. Vegetation and soil zonation associated with Juniperus pinchotii Sudw. trees. The Great Basin

Naturalist; Vol. 51, no. 4 (Dec.1991): p. 316-324.

156. Schmoldt, D. L. Simulation of plant physiological processes using fuzzy variables. AI applications in natural resource management; Vol. 5, no. 4 (1991): p. 3-16.

158. Tappeiner, J.; Zasada, J. Salmonberry clonal and population structure : the basis for a persistent cover. Ecology; Vol. 72, no. 2 (Apr. 1991): p. [609]-618.

159. Taylor, A. H. Disturbance and persistence of sitka spruce (Picea sitchensis (Bong.) Carr.) in coastal forests of the Pacific Northwest, North America. Journal of biogeography; Vol. 17 (1990): p. 47-58.

160. Vaitkus, M. R.; Eddleman, L. E. Tree size and understory phytomass production in a western juniper woodland. The Great Basin Naturalist; Vol. 51, no. 3 (Sept. 1991): p. 236-243.

080. PLANT INJURY/PEST CONTROL

162. Beard, J. D. Bug detectives crack the tough cases. Science; Vol. 254, no. 5038 (Dec. 13, 1991): p. 1580-1581.

163. Cain, R.; Cota, J.; Ward, C. Conifer pests in New Mexico. Rev. ed. [Albuquerque, N.M.]: U.S. Dept. of Agriculture, Forest Service, Southwestern Region; 1990: 48 p.

081. MYCOLOGY/PATHOLOGY

164. Berch, S. M.; Deom, E.; Willingdon, T. Growth and colonization of western redcedar by vesicular-arbuscular mycorrhizae in fumigated and nonfumigated nursery beds. Tree planters' notes; Vol. 42, no. 4 (fall 1991): p. [14]-16.

165. Cazares, E.; Trappe, J. M. Alpine and subalpine fungi of the Cascade Mountains. I, Hymnenogaster glacialis sp. nov. Mycotaxon; Vol. 38, (July/Sept. 1990): p. [245]-249.

166. Dwyer, G. The roles of density, stage, and patchiness in the transmission of an insect virus. Ecology; Vol. 72, no. 2 (Apr. 1991): p. [559]-574.

168. Hoff, R. J. Susceptibility of lodgepole pine to western gall rust within the middle Columbia River system. [Ogden, Utah]: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1992: 8 p. (Research note INT; 401).

082. INSECTS

172. Amman, G. D.; Thier, R. W.; Weatherby, J. C.; Rasmussen, L. A.; Munson, A. S. Optimum dosage of verbenone to reduce infestation of mountain pine beetle in lodgepole pine stands of central Idaho. Ogden, UT: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1991: 5 p. (Research paper INT; 446).

173. Amman, G. D.; Bartos, D. L. Mountain pine beetle offspring characteristics associated with females producing first and second broods, male presence, and egg gallery length. Environmental entomology; Vol. 20, no. 6 (Dec. 1991): p. [1562]-1567.

174. Bauer, K. L. Observations on the developmental biology of Cicindela arenicola Rumpp (Coleoptera: cicindelidae). The Great Basin Naturalist; Vol. 51, no. 3 (Sept. 1991): p. 226-235.

175. Brown, G. C. Research and extension roles in development of computer-based technologies in integrated pest management. Environmental entomology; Vol. 20, no. 5 (Oct. 1991): p. [1236]-1240.

176. Cavalieri, L. F. Scaling-up field testing of modified microorganisms. BioScience; Vol. 41, no. 8 (Sept. 1991): p. 568-574.

177. Christensen, K. M.; Whitham, T. G. Indirect herbivore mediation of avian seed dispersal in pinyon pine. Ecology; Vol. 72, no. 2 (Apr. 1991): p. [534]-542.

178. Clancy, K. M. Multiple-generation bioassay for investigating western spruce budworm (Lepidoptera: Tortricidae) nutritional ecology. Environmental entomology; Vol. 20, no. 5 (Oct. 1991): p. [1363]-1374.

179. Costa, J. T.; Crossley, D. A. Diel patterns of canopy arthropods associated with three tree species. Environmental entomology; Vol. 20, no. 6 (Dec. 1991): p. [1542]-1548.

180. Dreistadt, S. H.; Dahlsten, D. L. Established and overwintering of Tetrastichus gallerucae (Hymenoptera: Eulophidae), an egg parasitoid of the elm leaf beetle (Coleoptera: Chrysomelidae) in northern California. Environmental entomology; Vol. 20, no. 6 (Dec. 1991): p. [1711]-1719.

185. Hanks, L. M.; Millar, J. G.; Paine, T. D. Evaluation of cold temperatures and density as mortality factors of the Eucalyptus longhorned borer (Coleoptera: Cerambycidae) in California. Environmental entomology; Vol. 20, no. 6 (Dec.

1991): p. [1653]-1658.

186. Hanks, L. M.; Paine, T. D.; Millar, J. G. Mechanisms of resistance in Eucalyptus against larvae of the Eucalyptus longhorned borer (Coleoptera: Cerambycidae). Environmental entomology; Vol. 20, no. 6 (Dec. 1991): p. [1583]-1588.

187. Kemp, W. P.; Dennis, B. Toward a general model of rangeland grasshopper (Orthoptera: Acrididae) phenology in the steppe region of Montana. Environmental entomology; Vol. 20, no. 6 (Dec. 1991): p. [1504]-1515.

193. Quinn, M. A. Effect of habitat characteristics and perturbation from insecticides on the community dynamics of ground beetles (Coleoptera: Carabidae) on mixed-grass rangeland. Environmental entomology; Vol. 20, no. 5 (Oct. 1991): p. [1285]-1294.

194. Regan, R. P.; De Angelis, J. D.; Griedler, G. Predicting seasonal flight of European pine shoot moth (Lepidoptera: Tortricidae) in western Oregon. Environmental entomology; Vol. 20, no. 5 (Oct. 1991): p. [1403]-1406.

083. HARMFUL VEGETATION

198. Abrahamson, L. P. Cost effectiveness of utility rights-of-way vegetation management treatments. II, First maintenance cycle. Journal of arboriculture; Vol. 17, no. 12 (Dec. 1991): p. 328-330.

202. Shaw, C. G.; Loopstra, E. M. Development of dwarf mistletoe infections on inoculated western hemlock trees in southeast Alaska. Northwest science; Vol. 65, no. 1 (Feb. 1991): p. 48-52.

084. ENVIRONMENTAL INJURY

205. Prodgers, R. A.; Inskeep, W. P. Heavy metal tolerance of inland saltgrass (Distichlis spicata). The Great Basin Naturalist; Vol. 51, no. 3 (Sept. 1991): p. 271-278.

206. Swank, W. T.; Vose, J. M. Watershed-scale responses to ozone events in a Pinus strobus L. plantation. Water, air and soil pollution; Vol. 54 (1991):p. 119-133.

085. ANIMAL DAMAGE

208. Loucks, D. M. Assessment and management of animal damage in Pacific Northwest forests : an annotated bibliography. Portland, Or.: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1990: 371 p. (General technical report PNW; GTR-262).

090. FOREST FIRES

209. Calvo, L.; Tarrega, R.; Luis, E. Regeneration in Quercus pyrenaica ecosystems after surface fires. International journal of wildland fire; Vol. 1, no. 4 (1991): p. 205-210.

210. Combi tool maintenance instructions. Missoula, MT: USDA Forest Service, Technology & Development Center; 1989: 1 folded sheet (7 p.).

211. George, C. W. Improving the performance of fire retardant delivery systems on fixed-wing aircraft. [Ogden, Utah]: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1992: 12 p. (Research note INT; 400).

212. Mees, R.; Chase, R. Relating burning index to wildfire workload over broad geographic areas. International journal of wildland fire; Vol. 1, no. 4 (1991): p. 235-238.

213. Noble, J. C. Behaviour of a very fast grassland wildfire on the Riverine Plain of southeastern Australia. International journal of wildland fire; Vol. 1, no. 3 (1991): p. 189-196.

214. Redmann, R. E. Nitrogen losses to the atmosphere from grassland fires in Saskatchewan, Canada. International journal of wildland fire; Vol. 1, no. 4 (1991): p. 239-244.

215. Reinhardt, E. D.; Fischer, W. C.; Brown, J. K.; Graham, R. T. Woody fuel and duff consumption by prescribed fire in northern Idaho mixed conifer logging slash. Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1991: 22 p. (Research paper INT; 443).

216. Reinhardt, T. E. Monitoring firefighter exposure to air toxins at prescribed burns of forest and range biomass. [Portland, Or.]: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1991: 8 p. (Research paper PNW; RP-441).

217. Roads, J. O.; Fujioka, F. Medium-range fire weather forecasts. International journal of wildland fire; Vol. 1, no. 3 (1991): p. 159-176.

218. Tour, J. New exploding bridge wire detonator. Missoula, MT: U.S. Dept. of Agriculture, Forest Service, Technology & Development Program; 1991: 2 p. (Fire tech tips; 9151-2331-MTDC).

219. Tour, J. New fireline explosives. Missoula, MT: U.S. Dept. of Agriculture, Forest Service, Technology & Development Program; 1991: 4 p. (Fire tech tips; 9151-2330-MTDC).

220. Viegas, D. X.; Neto, L. P. C. Wall shear-stress as a parameter to correlate the rate of spread of a wind induced forest fire. International journal of wildland fire; Vol. 1, no. 3 (1991): p. 177-188.

221. Viney, N. R.; Catchpole, E. A. Estimating fuel moisture response times from field observations. International journal of wildland fire; Vol. 1, no. 4 (1991): p. 211-214.

222. Viney, N. R. A review of fine fuel moisture modelling. International journal of wildland fire; Vol. 1, no. 4 (1991): p. 215-234.

223. Weber, R. O. Toward a comprehensive wildfire spread model. International journal of wildland fire; Vol. 1, no. 4 (1991): p. 245-248.

224. Weise, D. R.; Ward, D. E.; Paysen, T. E.; Koonce, A. L. Burning California chaparral : an exploratory study of some common shrubs and their combustion characteristics. International journal of wildland fire; Vol. 1, no. 3 (1991): p. 153-158.

101. FOREST SOILS

225. Aust, W. M.; Lea, R. Soil temperature and organic matter in a disturbed forested wetland. Soil Science Society of America journal; Vol. 55, no. 6 (Nov./Dec. 1991): p. 1741-1746.

226. Bosatta, E.; Agren, G. I. Dynamics of carbon and nitrogen in the organic matter of the soil : a generic theory. American naturalist; Vol. 138, no. 1 (July 1991): p. [227]-245.

226a. Davis, Scott. Bulk density changes in two Central Oregon soils following tractor logging and slash piling. Western Journal of Applied Forestry,; Vol. 7, no. 3 (July 3, 1991): p. 86-88.

228. Escamilla, J. A.; Comerford, N. B.; Neary, D. G. Soil-core break method to estimate pine root distribution. Soil Science Society of America journal; Vol. 55, no. 6 (Nov./Dec. 1991): p. 1722-1726.

234. Graham, R. C.; Wood, H. B. Morphologic development and clay redistribution in lysimeter soils under chaparral and pine. Soil Science Society of America journal; Vol. 55, no. 6 (Nov./Dec. 1991): p. 1638-1646. Cooperative Agreement PSW-88-0003CA.

235. Harmon, M. E. Long-term experiments on log decomposition at the H.J. Andrews Experimental Forest. Portland, Or.: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1992: 28 p. (General technical report PNW; GTR-280).

238. Klemmedson, J. O.; Wienhold, B. J. Aspect and species influences on nitrogen and phosphorus availability in Arizona chaparral soils. Soil Science Society of America journal; Vol. 55, no. 6 (Nov./Dec. 1991): p. 1735-1740.

242. Sorensen, D. L.; Fresquez, P. R. Nitrification potential in reclaimed coal mine spoils and soils in the semiarid Southwest. Journal of environmental quality; Vol. 20, no. 1 (Jan./Mar. 1991): p. 279-285.

243. Soto, B.; Benito, E.; Diaz-Fierros, F. Heat-induced degradation processes in forest soils. International journal of wildland fire; Vol. 1, no. 3 (1991): p. 147-152.

102. HYDROLOGY

245. Aquilar, R.; Scholl, D. G.; Aldon, E. F. Water flux in three spoil materials under natural precipitation in northwestern New Mexico. International journal of surface mining & reclamation; Vol. 4 (1990): p. 195-198.

246. Eilers, J. M. Are lakes in the Cascade Mountains receiving high ammonium deposition? Northwest science; Vol. 65, no. 5 (Nov. 1991): p. 238-247.

247. Guenther, P. M.; Hubert, W. A. Factors influencing dissolved oxygen concentrations during winter in small Wyoming reservoirs. The Great Basin Naturalist; Vol. 51, no. 3 (Sept. 1991): p. 282-285.

248. Shew, D. Avalanches. Signpost; Vol. 25, no. 12 (Dec. 1990): p. 21.

249. Turner, A. C.; O'Laughlin, J. State agency roles in Idaho water quality policy : executive summary. [Moscow, Idaho]: Idaho Forest, Wildlife and Range Policy Analysis Group, University of Idaho; 1991: 26 p.

250. Ward, T. J.; Krammes, J. S.; Bolton, S. A comparison of runoff and sediment yields from bare and vegetated plots using rainfall simulation. Watershed planning and analysis in action : proceedings of the symposium ... : Durango, Colorado, July 9-11, 1990. New York, N.Y. : American Society of Civil Engineers, 1990: p. 245-255.

252. Williams, O. R.; Thomas, R. B.; Daddow, R. L. Methods for

collection and analysis of fluvial-sediment data. [Washington, D.C.]: U.S. Dept. of Agriculture, Forest Service, Watershed and Air Management Staff; 1988: iv, 85 p. (WSDG-TP; 00012).

103. GEOLOGY/MINERAL RESOURCES

253. King, T. The National Forests : 100 years of managing minerals. Minerals today; No. 4 (Aug. 1991): p. 16-21.

254. Olsen, F. J.; Chong, S. K. Reclamation of acid coal refuse. Landscape and urban planning; Vol. 20, no. 4 (1991): p. 309-313.

255. Robertson, D. Minerals receive more emphasis in forests. Minerals today; No. 4 (Aug. 1991): p. 22-29.

104. CLIMATOLOGY/METEOROLOGY

257. Hanson, C. L. The effect of observation time and sampling frequency on mean daily maximum, minimum and average temperature. Northwest science; Vol. 65, no. 3 (May 1991): p. 101-108.

112. TERRESTRIAL ANIMALS

259. Hein, R. G.; Musser, J. L.; Bracken, E. F. Serologic, parasitic and pregnancy survey of the Colockum elk herd in Washington. Northwest science; Vol. 65, no. 5 (Nov. 1991): p. 217-222.

260. Manuwal, D. A.; Carey, A. B. Methods for measuring populations of small, diurnal forest birds. Portland, Or.: USDA Forest Service, Pacific Northwest Research Station; 1991: 23 p. (General technical report PNW; GTR-278). (Wildlife-habitat relationships: sampling procedures for Pacific Northwest vertebrates).

261. Ommundsen, P. D. Morphological differences between Lynx and bobcat skulls. Northwest science; Vol. 65, no. 5 (Nov. 1991): p. 248-250.

262. Raphael, M. G.; Harlow, H. J.; Buskirk, S. W. Estimating body fat by using bioelectrical-impedance measurements : a preliminary assessment. Portland, Or.: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1991: 6 p. (General technical report PNW; GTR-279).

263. Warren, R. J.; Wallace, B. M.; Bush, P. B. Trace elements in migrating blue-winged teal : seasonal-, sex- and age-class variations. Environmental toxicology and chemistry; Vol. 9 (1990): p. 521-528.

113. AQUATIC ANIMALS

264. Appleby, A. E.; Tipping, J. M. Use of electronic fish counters for coho and chinook salmon, steelhead, and cutthroat trout smolts. Progressive fish-culturist; Vol. 53, no. 3 (July 1991): p. 195-198.

265. Bury, R. B.; Corn, P. S. Sampling methods for amphibians in streams in the Pacific Northwest. Portland, Or.: USDA Forest Service, Pacific Northwest Research Station; 1991: 29 p. (General technical report PNW; GTR-275). (Wildlife-habitat relationships: sampling procedures for Pacific Northwest vertebrates).

266. Ewing, R. R.; Scalet, C. G.; Evenson, D. P. Flow cytometric identification of larval triploid walleyes. Progressive fish-culturist; Vol. 53, no. 3 (July 1991): p. 177-180.

267. Jones, L. L. C.; Raphael, M. G. Aneides fereus (clouded salamander). Herpetological review; Vol. 21, no. 2 (1990): p. 36.

268. Kindschi, G. A.; Barrows, F. T. Evaluation of an electronic counter for walleye fry. Progressive fish-culturist; Vol. 53, no. 3 (July 1991): p. 180-183.

269. McClure, W. V.; Gould, W. R. Response of underyearling fluvial Arctic grayling (Thymallus arcticus) to velocity, depth, and overhead cover in artificial enclosures. Northwest science; Vol. 65, no. 5 (Nov. 1991): p. 201-204.

270. Rinne, J. N. Status, distribution, biology, and conservation of two rare southwestern (U.S.A.) salmonids, the Apache trout, Oncorhynchus apache Miller, and the Gila trout, O. gilae Miller. Journal of fish biology; Vol. 37, supplement A (1990): p. 189-191.

271. Schlosser, I. J. Stream fish ecology : a landscape perspective : land use, which influences the terrestrial-aquatic interface, can affect fish populations and their community dynamics. BioScience; Vol. 41, no. 10 (Nov. 1991): p. 704 -[712].

272. Toetz, D.; Muoneke, M.; Windell, J. Age, growth and condition of brook trout (Salvelinus fontinalis) from an unexploited alpine lake. Northwest science; Vol. 65, no. 3 (May 1991): p. 89-92.

273. Yeoh, C. G.; Kerstetter, T. H.; Loudenslager, E. J. Twenty-four-hour seawater challenge test for coastal cutthroat trout. Progressive fish-culturist; Vol. 53, no. 3 (July 1991): p. 173-176.

115. ANIMAL ECOLOGY

274. Bennetts, R. E.; McClelland, B. R. Differences in the distribution of adult and immature bald eagles at an autumn concentration in Montana. Northwest science; Vol. 65, no. 5 (Nov. 1991): p. 223-229.

275. Carey, A. B. The biology of arboreal rodents in Douglas-fir forests. Portland, Or.: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1991: 46 p. (General technical report PNW; GTR-276). (Biology and management of old-growth forests).

276. Carey, A. B.; Witt, J. W. Track counts as indices to abundances of arboreal rodents. Journal of mammalogy; Vol. 72, no. 1 (Feb. 1991): p. 192-194.

277. DeGraaf, R. M. Winter foraging guild structure and habitat associations in suburban bird communities. Landscape and urban planning; Vol. 21, no. 3 (1991): p. 173-180.

278. Elias, S. A. Insects and climate change : fossil evidence from the Rocky Mountains. BioScience; Vol. 41, no. 8 (Sept. 1991): p. 552-559.

279. Hestbeck, J. B.; Nichols, J. D.; Malecki, R. A. Estimates of movement and site fidelity using mark-resight data of wintering Canada geese. Ecology; Vol. 72, no. 2 (Apr. 1991): p. [523]-533.

280. McComb, W. C.; Anthony, R. G.; McGarigal, K. Differential vulnerability of small mammals and amphibians to two trap types and two trap baits in Pacific Northwest forests. Northwest science; Vol. 65, no. 3 (May 1991): p. 109-115.

281. Medin, D. E. Birds of Great Basin sagebrush habitat in east-central Nevada. Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1992: 4 p. (Research paper INT; 452).

282. Pekins, P. J.; Lindzey, F. G.; Gessaman, J. A. Physical characteristics of blue grouse winter use-trees and roost sites. The Great Basin Naturalist; Vol. 51, no. 3 (Sept. 1991): p. 244-248.

283. Petersen, K. L.; Best, L. B. Nest-site selection by sage thrashers in southeastern Idaho. The Great Basin Naturalist; Vol. 51, no. 3 (Sept. 1991): p. 261-266.

284. Reichel, J. D. Relationships among coyote food habits, prey populations, and habitat use. Northwest science; Vol. 65, no. 3 (May 1991): p. 133-137.

285. Smith, W. P. Ontogeny and adaptiveness of tail-flogging behavior in white-tailed deer. American naturalist; Vol. 138, no. 1 (July 1991): p. [190]-200.

286. Van Ballenberghe, V.; Miquelle, D. G.; MacCracken, J. G. Heavy utilization of woody plants by moose during summer at Denali National Park, Alaska. Alces; Vol. 25 (1989): p. 31-35.

287. Verts, B. J.; Gehman, S. D. Activity and behavior of free-living Sylvilagus nuttallii. Northwest science; Vol. 65, no. 5 (Nov. 1991): p. 231-237.

288. Yensen, E.; Luscher, M. P.; Boyden, S. Structure of burrows used by the Idaho ground squirrel, Spermophilus brunneus. Northwest science; Vol. 65, no. 3 (May 1991): p. 93-100.

120. RANGE MANAGEMENT

289. Bonham, C. D.; Cottrell, T. R.; Mitchell, J. E. Inferences for life history strategies of Artemisia tridentata subspecies. Journal of vegetation science; Vol. 2, no. 3 (June 1991): p. 339-344.

290. Cook, J. W.; Brady, W. W.; Aldon, E. F. Handbook for converting Parker loop frequency data to basal area. Fort Collins, Colo.: U.S. Dept. of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station; 1992: 22 p. (General technical report RM; 212).

291. Everett, R. L. Change on the range : new perspectives for rangeland research in the 90's. Washington, DC: U.S. Dept. of Agriculture, Forest Service, Forest Environment Research; 1992: 13 p.

292. Fresquez, P. R.; Aguilar, R.; Francis, R. E.; Aldon, E. F. Heavy metal uptake by blue grama growing in a degraded semiarid soil amended with sewage sludge. Water, air and soil pollution; Vol. 57/58 (1991): p. [903]-912.

293. Gee, C. K.; Joyce, L. A.; Madsen, A. G. Factors affecting the demand for grazed forage in the United States. Fort Collins, Colo.: U.S. Dept. of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station; 1992: 20 p. (General technical report RM; 210).

294. Gillis, A. M. Should cows chew cheatgrass on commonlands? : environmentalists and ranchers have beefs about grazing issues. BioScience; Vol. 41, no. 10 (Nov. 1991): p. 668-675.

295. O'Connor, T. G. Local extinction in perennial grasslands : a life-history approach. The American naturalist; Vol. 137, no. 6 (June 1991): p.[753]-773.

296. Wolters, G. L.; Aldon, E. F.; Donart, G. B. Response of reseeded coal mine spoils to season and intensity of defoliation : preliminary findings. Proceedings of the conference : Reclamation, a Global Perspective. Calgory, Alta. : Alberta Land Conservation and Reclamation Council, 1989: p. 289-298. (Report (Alberta Land Conservation and v Reclamation Council) ; RRTAC 89-2).

130. LAND USE

297. Burke, I. C. Regional analysis of the Central Great Plains : sensitivity to climate variability. BioScience; Vol. 41, no. 10 (Nov. 1991): p. 685-692.

298. Duffus, J. Forest Service wilderness management funding : statement of James Duffus III ... before the Subcommittee on National Parks and Public Lands, Committee on Interior and Insular Affairs, House of Representatives. [Washington, D.C.]: U.S. General Accounting Office; [1991]: 4 leaves. (Testimony; GAO/T-RCED-91-11).

299. Nash, S. What price nature? : future ecological risk assessments may chart the values, and the odds. BioScience; Vol. 41, no. 10 (Nov. 1991): p. 677-680.

131. LAND USE -- GENERAL

301. Slatyer, R. O. Conservation in our changing world. Environmental conservation: Vo. 18, no. 1 (spring 1991): p 7-12.

132. URBAN FORESTRY

304. Luken, J. O. : Hinton, A. C.; Baker, D. G. Forest edges associated with power-line corridors and implications for corridor siting. Landscape and urban planning: Vol. 20, no. 4 (1991): p. 315-324.

133. AGROFORESTRY

307. Cunningham, R. A.; Van Haverbeke, D. F. Twenty-two year results of a Scots pine (Pinus sylvestris L.) provenance test in North Dakota. Fort Collins, Colo.: U.S. Dept. of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station; 1991: 9 p. (Research paper RM; 298).

140. FOREST RECREATION

308. Annison, M. H. Managing the whirlwind : opportunities for park and recreation services. Trends; Vol. 28, no. 2 (1991): p. [10]-[13].

309. Bergstrom, J. C.; Cordell, H. K. Outdoor recreation demand and supply : trends and implications. Contemporary issues in outdoor recreation : technical papers from the 1988 and 1989 SAF conventions. [Fairfax, VA] : Published through the Center for Recreation Resources Policy by George Mason University, [1990?]: p. 35-43.

311. Butruille, J. F. The National Forests : America's great outdoors and the Forest Service's national recreation strategy. Contemporary issues in outdoor recreation : technical papers from the 1988 and 1989 SAF conventions. [Fairfax, VA] : Published through the Center for Recreation Resources Policy by George Mason University, [1990?]: p. 73-80.

312. Camping and picnicking on the National Forests of Idaho. Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Region; 1991: 25 p.

313. Camping and picnicking on the National Forests of Nevada and eastern California. Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Region; 1991: 11 p.

314. Camping and picnicking on the National Forests of Utah. Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Region; 1991: 15 p.

315. Cordell, H. K.; English, D. B. K. Recreation on public lands. Contemporary issues in outdoor recreation : technical papers from the 1988 and 1989 SAF conventions. [Fairfax, VA] : Published through the Center for Recreation Resources Policy by George Mason University, [1990?]: p. 3-15.

316. Duffus, J. Changes needed in the Forest Service's recreation program : statement of James Duffus III, ... before the Subcommittee on National Parks and Public Lands, Committee on Interior and Insular Affairs, House of Representatives. [Washington, D.C.]: U.S. General Accounting Office; [1991]: 7 leaves. (Testimony; GAO/T-RCED-91-10).

317. Ewert, A. Wildland management near large urban centers : ripple or tsunami for resource managers? Contemporary issues in outdoor recreation : technical papers from the 1988 and 1989 SAF conventions. [Fairfax, VA] : Published through the Center for Recreation Resources Policy by George Mason University, [1990?]: p. 119-122.

318. Falknor, P. Recreation Opportunity Spectrum : how the Forest Service classifies recreation. Signpost; Vol. 26, no. 7 (July 1991): p. 34-35.

319. Ferguson, G.; Ferguson, J. Montana National Forests. Helena, MT: Falcon Press; 1990: 127 p. (National Forests of America).

320. Foot, D. K. The age of outdoor recreation in Canada. Journal of applied recreation research; Vol. 15, no. 3 (1991): p. 159-178.

321. Gobster, P. H.; Chenoweth, R. E. Peak aesthetic experiences and the natural landscape. Coming of age : EDRA 21/1990 : proceedings of the Twenty-First Annual Conference of the Environmental Design Research Association, Champaign-Urbana, Illinois, April 6-9, 1990. Oklahoma City, OK : EDRA, c1990: p. 185-191.

322. Hornback, K. E. Socio-economic outlook : outdoor recreation 2000. Trends; Vol. 28, no. 2 (1991): p. [14]-[19].

323. Jackson, E. L. Trends in leisure preferences : alternative constraints-related explanations. Journal of applied recreation research; Vol. 15, no. 3 (1991): p. 129-145.

324. Malcolm, S. M.; Mobily, K. E. Gender differences in the meaning of play and work. Journal of applied recreation research; Vol. 15, no. 3 (1991): p. 179-196.

325. McDonald, B. Above and beyond : the spiritual value of outdoor experiences. Contemporary issues in outdoor recreation : technical papers from the 1988 and 1989 SAF conventions. [Fairfax, VA] : Published through the Center for Recreation Resources Policy by George Mason University, [1990?]: p. 45-49.

327. Mickelson, L. M. Older adults : the current and future challenge. Trends; Vol. 28, no. 2 (1991): p. [20]-[23].

328. Moore, S. D.; McClaran, M. P. Symbolic dimensions of the packstock debate. Leisure sciences; Vol. 13, no. 3 (July/Sept. 1991): p. 221-237.

329. Mou, S. H.; McConnell, J. Contemporary issues in outdoor recreation : technical papers from the 1988 and 1989 SAF conventions. [Fairfax, VA]: Published through the Center for Recreation Resources Policy by George Mason University; [1990?]: ii, 134 p.

330. O'Sullivan, E. Who's in? : Future target markets for parks and recreation. Trends; Vol. 28, no. 2 (1991): p. [5]-[9].

331. Parks and recreation : resource limitations affect condition of Forest Service recreation sites : report to congressional requestors. Washington, D.C.: General Accounting Office; 1991: 64 p.

333. Playgrounds. Parks & recreation; Vol. 26, no. 8 (Aug. 1991): p. [28]-31, 70.

334. Robinson, D.; Stevens, T. Stress in adventure recreation : types of stressors and their influences during an extended adventure-based expedition. Journal of applied recreation research; Vol. 15, no. 4 (1990): p. 218-238.

335. Rockel, M. L.; Kealy, M. J. The value of nonconsumptive wildlife recreation in the United States. Land economics; Vol. 67, no. 4 (Nov. 1991): p. [422]-434.

336. Saul, S. Wild island in an ocean of clearcuts. Signpost; Vol. 26, no. 8 (Aug. 1991): p. 42-43.

337. Schroeder, H. W. The felt sense of natural environments. Coming of age : EDRA 21/1990 : proceedings of the Twenty-First Annual Conference of the Environmental Design Research Association, Champaign-Urbana, Illinois, April 6-9, 1990. Oklahoma City, OK : EDRA, c1990: p. 192-195.

338. Schroeder, V. Unstable conditions : hike with caution. Signpost; Vol. 26, no. 4 (Apr. 1991): p. 22-23.

339. Shafer, E. L. The future : you don't want to miss it. Contemporary issues in outdoor recreation : technical papers from the 1988 and 1989 SAF conventions. [Fairfax, VA] : Published through the Center for Recreation Resources Policy by George Mason University, [1990?]: p. 57-68.

340. Siehl, G. H. The mood, tenor, and likely response of government to leisure and recreation interest. Contemporary issues in outdoor recreation : technical papers from the 1988 and 1989 SAF conventions. [Fairfax, VA] : Published through the Center for Recreation Resources Policy by George Mason University, [1990?]: p. 69-72.

341. Stoner, M. A. How to submit proposals to the Technology & Development Centers' recreation programs. Missoula, MT: U.S. Dept. of Agriculture, Forest Service, Technology & Development Program; 1992: 2 p. (Recreation tech tips; 9223-2311-MTDC).

343. The Ten essentials : a discussion. Signpost; Vol. 26, no. 11

(Nov. 1991): p. 36-38.

344. Westfall, R. D. Emerging trends at the State level. Trends; Vol. 28, no. 2 (1991): p. 39-42.

345. Woodrow, R. E. The Forest Service Recreation Strategy : a progress report. Contemporary issues in outdoor recreation : technical papers from the 1988 and 1989 SAF conventions. [Fairfax, VA] : Published through the Center for Recreation Resources Policy by George Mason University, [1990?]: p. 125-128.

346. Wright, B. A.; Cordell, H. K.; Brown, T. L. Recreational access to nonindustrial private lands in the U.S. Contemporary issues in outdoor recreation : technical papers from the 1988 and 1989 SAF conventions. [Fairfax, VA] : Published through the Center for Recreation Resources Policy by George Mason University, [1990?]: p. 17-28.

150. SOCIAL SCIENCE AND EDUCATION

347. Calvi, J. Investigation of Ferrell Creek Cabin, 24LN918, Kootenai National Forest. [Missoula, MT]: U.S. Dept. of Agriculture, Forest Service, Northern Region; 1990: 70 p. (Cultural Resource Report (United States. Forest Service. Northern Region); no. 11).

348. Daniels, S.; Reed, M. Enhancing forestry education through writing : what constitutes a good assignment? Journal of forestry; vol. 90, no. 3 (Mar. 1992): p. 27-32.

350. Jacobson, S. K.; Robinson, J. G. Training the new conservationist : cross-disciplinary education in the 1990s. Environmental conservation; Vol. 17, no. 4 (winter 1990): p. 319-327.

351. Mead, J. I.; Sharpe, S. E.; Agenbroad, L. D. Holocene bison from Arches National Park, southeastern Utah. The Great Basin Naturalist; Vol. 51, no. 4 (Dec. 1991): p. 336-342.

352. Stapp, W. B.; Polunin, N. Global environmental education : towards a way of thinking and acting. Environmental conservation; Vol. 18, no. 1 (spring 1991): p. 13-18.

353. Stevens, R. A.; Miss, C. J. Cultural resources : cultural resource investigations of Florence and the Summit Creek Mining District, Idaho County. [Missoula, Mont.]: U.S. Dept. of Agriculture, Forest Service, Northern Region; [1988?]: 105 p. (Cultural resources report (United States. Forest Service. Northern Region); no.10).

160. ECOSYSTEMS

356. Christiansen, F. B. On conditions for evolutionary stability for a continuously varying character. American naturalist; Vol. 138, no. 1 (July 1991): p. [37]-50.

357. Deen, R. T. Feathered foresters. The Consultant; Vol. 36, no. 3 (summer 1991): p. 13.

359. Gregory, S. V.; Swanson, F. J. An ecosystem perspective of riparian zones : focus on links between land and water. BioScience; Vol. 41, no. 8 (Sept. 1991): p. 540-550.

360. Hachmoller, B.; Matthews, R. A.; Brakke, D. F. Effects of riparian community structure, sediment size, and water quality on the macroinvertebrate communities in a small suburban stream. Northwest science; Vol. 65, no. 3 (May 1991): p. 125-132.

362. Koehler, D. K.; Anderson, S. H. Habitat use and food selection of small mammals near a sagebrush/crested wheatgrass interface in southeastern Idaho. The Great Basin Naturalist; Vol. 51, no. 3 (Sept. 1991): p. 249-255.

363. Madigan, E. G. Draft environmental impact statement on management for the northern spotted owl in the National Forests : states of Washington, Oregon, and California. [Washington, D.C.]: National Forest System; 1991: 1 v. (various pagings).

364. Marzluff, J. M.; Dial, K. P. Life history correlates of taxonomic diversity. Ecology; Vol. 72, no. 2 (Apr. 1991): p. 428-439.

365. Monitoring the condition of our nation's ecological resources. [Washington, D.C.: U.S. Environmental Protection Agency, Environmental Monitoring and Assessment Program]; 1990: [4] p.

366. Polis, G. A. Complex trophic interactions in deserts : an empirical critique of food-web theory. American naturalist; Vol. 138, no. 1 (July 1991): p. [123]-155.

367. Shell, D. How much is old? Timber harvesting; Vol. 39, no. 5 (May 1991): p. 18-19.

368. Tobalske, B. W.; Shearer, R. C.; Hutto, R. L. Bird populations in logged and unlogged western larch/Douglas-fir forest in northwestern Montana. Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1991: 12 P. (Research paper INT; 442).

369. Vermeij, G. J. When biotas meet : understanding biotic

interchange. Science; Vol. 253, no. 5024 (Sept. 6, 1991): p. 1099-1104.

170. WILDLIFE MANAGEMENT

370. Blackwell, B. H. Radio harness system for bobcat kittens. The Great Basin Naturalist; Vol. 51, no. 4 (Dec. 1991): p. 343-347.

371. Hennon, P. E.; Loopstra, E. M. Persistence of western hemlock and western redcedar trees 38 years after girdling at Cat Island in southeast Alaska. Portland, Or.: U.S. Dept. of Agriculture, Forest Service, Pacific Northwest Research Station; 1991: 5 p. (Research note PNW; RN-507).

372. Houston, D. B.; Moorhead, B. B.; Olson, R. W. Mountain goat population trends in the Olympic Mountain Range, Washington. Northwest science; Vol. 65, no. 5 (Nov. 1991): p. 212-216.

373. Kerr, L. Ducks don't vote : the dilemma of wildland wildlife managers. Trends; Vol. 28, no. 2 (1991): p. 30-34.

374. Milon, J. W.; Clemmons, R. Hunters' demand for species variety. Land economics; Vol. 67, no. 4 (Nov. 1991): p. [401]-412.

376. Smith, T. S.; Flinders, J. T.; Winn, D. S. A habitat evaluation procedure for Rocky Mountain bighorn sheep in the intermountain west. The Great Basin Naturalist; Vol. 51, no. 3 (Sept. 1991): p. 205-225.

377. Stevens, T. H.; More, T. A.; Glass, R. J. Measuring the existence value of wildlife : what do CVM estimates really show? Land economics; Vol. 67, no. 4 (Nov. 1991): p. [390]-400.

379. Forest Services's wildlife and fisheries program action plan : the response to the Wildlife Management Institute's 1989 recommendations. Washington, DC: U.S. Dept. of Agriculture, Forest Service, Wildlife and Fisheries Staff; 1991: 14 p.

380. Van Ballenberghe, V. Twenty years of moose immobilization with succinylcholine chloride. Alces; Vol. 25 (1989): p. 25-29.

300. OTHER TOPICS

494. Glossary of environmental terms. Washington, D.C.: U.S. Environmental Protection Agency, Office of Public Affairs; 1988: 20 p.

COAL/HYDROCARBONS

G001. Controls on gas generation and production, tight sandstone reservoirs, Uinta Basin, Utah.
Nuccio-Vito-F; Schmoker-James-W; Fouch-Thomas-D
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 54-57
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G002. Delta (13)C of terrestrial and marine organic matter in Cretaceous rocks of the Western Interior of North America.
Holmes-Charles-W; M'-Gonigle-John-W; Dalrymple-G-Brent
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 36
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G003. Energy research on Indian lands.
Zech-R-S; Arndt-H-H; Biewick-Laura-R-H; Hardie-J-K; Johnson-R-C; Ridgley-J-L; Williamson-Courteney; Wright-Dunbar-Robyn
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 82-83
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G004. Testing new coal models; the 1991 Kaiparowits Plateau drilling project.
Hettinger-R-D; McCabe-P-J
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 34, 36
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

MINERALS/MINERALOGY

G005. Architectural analysis of eolian sandstones; the Lower Jurassic Nugget Sandstone of northeastern Utah.
Peterson-Fred; Schenk-Christopher-J
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 59
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G006. Controls on gas generation and production, tight sandstone reservoirs, Uinta Basin, Utah.
Nuccio-Vito-F; Schmoker-James-W; Fouch-Thomas-D
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 54-57
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G007. The desktop core library, a CD-ROM approach.
Pantea-Michael-P; Gay-Frances-E; Ambroziak-Russell-A
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 57-58
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G008. Fluvial architecture and reservoir heterogeneity; Triassic and Tertiary examples from the Colorado Plateau.
Dubiel-Russell-F; Good-Steven-C; Schenk-Christopher-J
U. S. Geol. Surv., Denver, CO, United-States; Univ. Colo., United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 24
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G009. Huge indigenous oil in mature source rocks; beyond elephants?.
Price-Leigh-C
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 63
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G010. Isostatic residual gravity mapping of Wyoming.
Robbins-S-L; Grow-J-A
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 65-66
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G011. Late Cretaceous and early Tertiary evolution of the Uinta and Piceance basins (northeastern Utah and northwestern Colorado) and associated development of hydrocarbons.
Franczyk-K-J; Fouch-T-D; Johnson-R-C; Molenaar-C-M; Cobban-William-A
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 31
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G012. Multifaceted studies of a lacustrine source rock; the Paleogene Green River Formation, Colorado, Utah, and Wyoming.
Tuttle-Michele-L; Dean-Walter-E; Stanton-Mark-R; Collister-James-W; Harrison-Wendy-J; Fouch-Thomas-D; Pitman-Janet-K; Hanesand-Trond; Telnaes-Nils
U. S. Geol. Surv., Denver, CO, United-States; Indiana Univ., United-States; Colo. Sch. Mines, United-States; Norsk Hydro, Norway
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 76-77
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G013. Relation of natural fractures to composition and cyclicity in chalk of the Niobrara Formation, Berthoud Field, Colorado.
Pollastro-Richard-M
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 59-60
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G014. Reservoir heterogeneities in the Morrison Formation in southern Utah; a Prudhoe Bay analog.
Robinson-John-W; McCabe-Peter-J
Colo. Sch. Mines, Dep. Geol. and Geol. Eng., Golden, CO, United-States; U. S. Geol. Surv., United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 67-68
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

G015. Tectonic and climatic changes expressed as sedimentary and geochemical cycles in Paleogene lake systems, Utah and Colorado; implications for petroleum source and reservoir rocks.
Fouch-Thomas-D; Pitman-Janet-K
U. S. Geol. Surv., Denver, CO, United-States
Carter, L. M. H. USGS research on energy resources 1992; program and abstracts. U. S. Geol. Surv., United-States.
U.-S.-Geological-Survey-Circular. p. 29-30
1992
Eighth V. E. McKelvey forum on Mineral and energy resources , USGS research on energy resources, 1992, Houston, TX, Feb. 17-20, 1992
C 1074

PETROLEUM/PETROLEUM ENGINEERING

G016. Clay minerals as geothermometers; indicators of thermal maturity for hydrocarbon exploration.
Pollastro-Richard-M
U. S. Geol. Surv., Denver, CO, United-States
Geological-Survey-Bulletin. p. 61-65.
53 Refs.
1992
B 2007

G017. Geology of the central Roan Plateau area, northwestern Colorado.
Hail-William-J Jr
Geological-Survey-Bulletin. p. R1-R26.
38 Refs.
1992
B 1787-R

G018. Influence of regional heat flow variation on thermal maturity of the Lower Cretaceous Muddy (''J'') Sandstone, Denver Basin, Colorado.
Higley-Debra-K; Gautier-Donald-L; Pawlewicz-Mark-J
U. S. Geol. Surv., Denver, CO, United-States
Geological-Survey-Bulletin. p. 66-69.
26 Refs.
1992
B 2007

G019. Petrology and reservoir paragenesis in the Sussex ''B'' sandstone of the Upper Cretaceous Cody Shale, House Creek and Porcupine fields, Powder River basin, Wyoming.
Higley-Debra-K
Geological-Survey-Bulletin. p. G1-G16.
15 Refs.
1992
B 1917-G

G020. Thermal maturity patterns of Cretaceous and Tertiary rocks, San Juan Basin, Colorado and New Mexico.
Law-B-E
U. S. Geol. Surv., Denver, CO, United-States
Geological-Society-of-America-Bulletin. 104. (2). p. 192-207.
50 Refs.
1992

SEISMOLOGY/EARTHQUAKES/TECTONICS

G021. Earthquake prediction; models of the seismic cycle.
Scholz-Christopher-H
Lamont-Doherty Geol. Obs., Palisades, NY, United-States
Nature-(London). 355. (6363). p. 774-775
1992

G022. Geologic evidence for earthquakes during the past 2000 years along the Copalis River, southern coastal Washington.
Atwater-Brian-F
U. S. Geol. Surv., Seattle, WA, United-States
Journal-of-Geophysical-Research,-B,-Solid-Earth-and-Planets. 97. (2). p. 1901-1919.
85 Refs.

1992

G023. Goals, opportunities, and priorities for the USGS Earthquake Hazards Reduction Program.
Page-Robert-A; Boore-David-M; Bucknam-Robert-C; Thatcher-Wayne-R
U.-S.-Geological-Survey-Circular. 60 p.
1992
C 1079

G024. Joint inversion of fault zone head waves and direct P arrivals for crustal structure near major faults.
Ben-Zion-Yehuda; Katz-Simeon; Leary-Peter
Univ. South. Calif., Dep. Geol. Sci., Los Angeles, CA, United-States
Journal-of-Geophysical-Research,-B,-Solid-Earth-and-Planets. 97. (2). p. 1943-1951.
18 Refs.
1992

G025. Strain accumulation across the Wasatch Fault near Ogden, Utah.
Savage-J-C; Lisowski-Michael; Prescott-W-H
U. S. Geol. Surv., Menlo Park, CA, United-States
Journal-of-Geophysical-Research,-B,-Solid-Earth-and-Planets. 97. (2). p. 2071-2083.
27 Refs.
1992

G026. Transverse structural trends along the Oregon convergent margin, implications for Cascadia earthquake potential and crustal rotations.
Goldfinger-Chris; Kulm-LaVerne-D; Yeats-Robert-S; Appelgate-Bruce; MacKay-Mary-E; Moore-Gregory-F
Oreg. State Univ., Dep. Geosci., Corvallis, OR, United-States; Univ. Hawaii, United-States
Geology-(Boulder). 20. (2). p. 141-144.
20 Refs.
1992

G027. Weak faults; breaking out all over.
Kerr-Richard-A
Am. Assoc. Adv. Sci., Washington, DC, United-States
Science. 255. (5049). p. 1210-1212.
2 Refs.
1992

G028. Fracture history of the Divide Creek and Wolf Creek anticlines and its relation to Laramide basin-margin tectonism, southern Piceance Basin, northwestern Colorado.
Grout-Marilyn-A; Verbeek-Earl-R
Geological-Survey-Bulletin. p. Z1-Z32.
120 Refs.
1992
B 1787-Z

G029. How wide is the Calaveras fault zone? Evidence for distributed shear along a major fault in Central California.
Montgomery-David-R; Jones-David-L
Univ. Calif. at Berkeley, Dep. Geol. and Geophys., Berkeley, CA, United-States
Geology-(Boulder). 20. (1). p. 55-58.
27 Refs.
1992

G030. Large-magnitude Permian shortening and continental margin tectonics in the southern Cordillera.
Snow-J-Kent
Harvard Univ., Dep. Earth and Planet. Sci., Cambridge, MA, United-States
Geological-Society-of-America-Bulletin. 104. (1). p. 80-105.
103 Refs.
1992

G031. Map of recently active traces of the Hayward Fault, Alameda and Contra Costa counties, California.
Lienkaemper-J-J
Miscellaneous-Field-Studies-Map. 13 p.
1992
MF-2196

G032. Paleomagnetic data bearing on the origin of arcuate structures in the French Peak-Massachusetts Mountain area of southern Nevada.
Hudson-Mark-R
U. S. Geol. Surv., Denver, CO, United-States
Geological-Society-of-America-Bulletin. 104. (5). p. 581-594.
20 Refs.
1992

MANAGEMENT ALERT Section

Monthly Alert's Management Alert section appears in this publication on a bi-monthly basis or every other month. Look for the " box " on the front cover as our signal to you that a Management Alert section is available.

Subject coverage of the Management Alert generally will touch on the following topics.

Administration
Applied Psychology
Civil Rights Personnel
Communication Systems
Creativity
Decision Sciences
Environmental Issues
Fiscal and Accounting Management
Human Resources Management
Job Satisfaction
Legislative Issues
Management in Complex Organizations
Office Equipment and Services
Management
Policy Planning
Program Management
Public Administration
Public Relations
Research Management
Statistics
Tests and Measurement

This information should be of great interest to all levels of administrators, supervisors, managers, etc.

To order documents from the Management Alert section, write the letter " M " and the number (ex. M20) on the regular blue request form. It is important to include the letter " M " along with the assigned number so that it can be distinguished from the numbered items in the regular ***Monthly Alert***.

M01. An experiment with self-directed work teams. Government Executive, 24(5): 42-43. May 1992.

M02. Are you addicted to work? Supervision, 63: 12-13. January 1992.

M03. Boomer bust, no room at the top. Federal Times, 27(19): 1, 17. June 24, 1991.

M04. Disarming enabling [old habits and changing them]. Your Health & Safety, 14(1): 4-5. February/March 1992.

M05. Don't let others manage your time. Working Smart, 18(4): 5. April 1992.

M06. Firing valuable employees. Working Smart, 18(4): 3. April 1992.

M07. Leaving yourself open to a career relocation. Working Smart, 18(5): 4-5. May 1992.

M08. Read faster! Read better! The Office Professional, 12(5): 7-8. May 15, 1992.

M09. Upbeat tactics for downbeat times. Working Smart, 18(4): 1-2. April 1992.

M10. Anderson, Douglas.
Supervisors need ESP. Supervision, 52: 14-17. September 1991.

M11. Barker, D., et al.
Art for business's sake. BYTE, 17(4): 226-228, 230, 232-233, 236-238,240, 242, 244, 246, 248, 250, 252, 254. April 1992.

M12. Bellavita, Christopher.
The public administrator as hero. Administration & Society, 23: 155-185. August 1991.

M13. Blanchard, Kenneth H.
How to turn around department performance. Supervisory Management, 37(3): 3. March 1992.

M14. Bono, Jan.
Safety rules the outdoors. Today's Supervisor, 56(5): 10-11. May 1992.

M15. Bono, Jan.
Whistle-blowers: troublemakers or troubleshooters? Today's Supervisor, 56(4): 4-5. April 1992.

M16. Borchardt, John.
Get involved after hours [activities outside of work]. Chemical Engineering, 99(3): 139-140, 142. March 1992.

M17. Bredin, James.
Say it simply [communication]. Industry Week, 240: 19-20. July 15, 1991.

M18. Brown, Tom.
What is the executive's job? Industry Week, 240: 42. November 18, 1991.

M19. Buhler, Patricia.
Are you really saying what you mean? Supervision, 52: 18-20. September 1991.

M20. Buhler, Patricia.
The keys to shaping behavior. Supervision, 63: 18-20. January 1992.

M21. Cashey, Clark C.
Constructive discipline. Supervision, 52: 11-13, 17. October 1991.

M22. Corbin, Lisa.
Personal computers hit the road. Government Executive, 24(5): 49-50, 53. May 1992.

M23. Driscoll, Carol.
Six tips for eloquent elocution. The Toastmaster, 58(5): 5. May 1992.

M24. Flynn, Kelly.
Protecting the team from sexual harassment. Supervision, 52: 6-8. December 1991.

M25. Gibbons, Ann.
Mentoring. Science, 255(5050): 1368-1369. March 13, 1992.

M26. Glassman, Edward.
Self-directed team building without a consultant. Supervisory Management, 37(3): 6-7. March 1992.

M27. Groening, Lin.
What's your C.Q.? [communication quotient] The Toastmaster, 58(3): 12-13. March 1992.

M28. Halstin, Ted.
Supervising the latchkey spouse phenomenon. Supervisory Management, 37(3): 4-5. March 1992.

M29. Hatcher, Eddy.
Positive safety. Training, 28: 39-41. July 1991.

M30. Hirschhorn, Larry; Gilmore, Thomas.
The new boundaries of the "boundaryless" company. Harvard Business Review, 70(3): 104-115. May-June 1992.

M31. Jasper, Herbert H.
Down the quality road. Government executive, 24(4): 37-40, 60. April 1992.

M32. Jenks, James M.
Want to be the one in charge? The Toastmaster, 58(3): 24-26. March 1992.

M33. Kanter, Rosabeth Moss.
Six certainties for CEOs. Harvard Business Review, 70(2): 7-8. March-April 1992.

M34. Kaufman, Leslie.
Sexual harassment. Government Executive, 24(4): 42-45. April 1992.

M35. Lasson, Elliot D.
How good are integrity tests? Personnel Journal, 71(4): 35-36, 38. April 1992.

M36. Lindo, David K.
Leaders must lead. Supervision, 52: 8-10. September 1991.

M37. Martin, Dominick.
Who says communication is like the weather? The Toastmaster, 58(5): 6-7. May 1992.

M38. McKenna, Joseph F.
TQ Government. Industry Week, 240: 12-14, 18-19. November 4, 1991.

M39. Montalbo, Thomas.
Make your speeches listenable. The Toastmaster, 58(3): 6-7. March 1992.

M40. Nelson, Andre.
Developing the one perfect supervisory style. Supervision, 63: 14-15, 9. January 1992.

M41. Niven, Daniel.
The case of the hidden harassment. Harvard Business Review, 70(2): 12-14, 16-17, 20, 22-23. March/April 1992.

M42. Osborne, J. E.
The supervisory skill you can't survive without. Supervisory Management, 37(3): 8. March 1992.

M43. Oster, Gerald D.
Managing stress. Winters Communications, Inc., Tampa, Florida, 1989. 15 p.

M44. Parachin, Victor.
Seven ways to fire up your creativity. Supervision, 53: 3-4. January 1992.

M45. Patterson, James G.
From good speaking to better writing. The Toastmaster, 58(4): 16-18. April 1992.

M46. Pearson, Andrall E.
Corporate redemption and the seven deadly sins. Harvard Business Review, 70(3): 65-75. May-June 1992.

M47. Perret, Gene.
Humor belongs in the workplace. The Toastmaster, 58(4): 22-23. April 1992.

M48. Reardon, Vince.
Plan it, or they'll pan it! The Toastmaster, 58(5): 12-13. May 1992.

M49. Ritter, Daisy; Osterbauer, Ron; Dahill, Katie.
Volunteers managing volunteers. Legacy, 3(3): 9-11. May/June 1992.

M50. Rubin, Don.
Cultural bias undermines assessment. Personnel Journal, 71(5): 47-48, 51-52. May 1992.

M51. Sabath, Ann Marie.
Mind your business manners. The Toastmaster, 58(3): 20-22. March 1992.

M52. Sandler, Howard M.
Business juggles many balls with medical-exam rules. Safety & Health, 145(4): 50-52. April 1992.

M53. Schwartz, Felice N.
Women as a business imperative. Harvard Business Review, 70(2): 105-113. March/April 1992.

M54. Segaloff, Charles M.
Building a better speech. The Toastmaster, 58(4): 19-20. April 1992.

M55. Weiss, Donald H.
How to deal with unpleasant people problems. Supervisory Management, 37(3): 1-2. March 1992.

M56. Wormald, Karen.
For every PC problem, an accessory offers a solution. Office Systems 92, 9(4): 30, 32, 34. April 1992.

M57. Zaleznik, Abraham.
Managers and leaders: are they different? Harvard Business Review, 70(2): 126-135. March-April 1992.

M58. Burleson, Clyde W.
Effective meetings, the complete guide. New York: John Wiley & Sons, Inc. c1990. 239 p.

BLM Library
RECENT ADDITIONS
Book List

Recent Additions Book List is a monthly listing of book titles that have recently been added to the BLM Library collection and are available for loan via the ***Monthly Alert*** order form. Each list is arranged by various subject headings in alphabetical order and shows author, title and date. Each title will be assigned a specific "R" number for ordering purposes. This "R" number is the order number that should be entered onto the ***Monthly Alert*** request form. Note that a title may be listed more than once due to the various subject headings assigned to it.

SAMPLE CITATION

Subject Heading **Title of Book**

R1. ACID DEPOSITION—CANADA
Pawlick, Thomas. A killing rain: The global threat of acid precipitation.
San Francisco: Sierra Club Books, c1984.
TD196.A25P38 1984

Order Number

TO REQUEST MATERIALS: Write the order number (ex. R1) on the regular blue request form. No other information is necessary. It is important to include the letter "R" along with the assigned number so that it can be distinguished from the numbered items in the regular Monthly Alert.

LOAN PERIOD: Reserve lists will be created for each title requested and the books will be loaned to those on the lists for a period of two weeks. If you need any item on a rush basis, please call the BLM Library on FTS 776-6648 or 303/236-6648 to make special arrangements.

ORDERING INFORMATION: Contact us for ordering information if you would like to purchase any of the books listed.

AIR--POLLUTION--NORTHWEST, PACIFIC.
Reinhardt, Timothy E. Chlorinated emissions in smoke from burning forest
R1 fuels. 1987.
SD387.P7 R346 1987

ALPINE FLORA--COLORADO--SEEDS--HANDBOOKS, MANUALS, ETC.
R2 Elias, Scott A. Photographic atlas and key to windblown seeds of alpine plants from Niwot Ridge, Front Range, Colorado, U.S.A. Boulder, Colo. : University of Colorado, Institute of Arctic and Alpine Research ; 1987.
QC994.8.C32 no.45

BIOLOGICAL DIVERSITY CONSERVATION.
R3 Conserving the world's biological diversity. Gland, Switzerland : IUCN ; Washington, D.C. : WRI : CI : WWF-US : World Bank, c1990.
QH75 .C758 1990

BLACK SPRUCE--ALASKA--WALKER LAKE REGION.
Christiansen, Janet S. A spruce-lichen woodland in northern Alaska : post-
R4 fire regeneration and community dynamics. 1988.
SD397.S77 C484 1988

CHLOROMETHANE.
R1 Reinhardt, Timothy E. Chlorinated emissions in smoke from burning forest fuels. 1987.
SD387.P7 R346 1987

CLADINA--ALASKA--WALKER LAKE REGION.
R4 Christiansen, Janet S. A spruce-lichen woodland in northern Alaska : post-fire regeneration and community dynamics. 1988.
SD397.S77 C484 1988

CLADONIA--ALASKA--WALKER LAKE REGION.
R4 Christiansen, Janet S. A spruce-lichen woodland in northern Alaska : post-fire regeneration and community dynamics. 1988.
SD397.S77 C484 1988

COMPARATIVE ECONOMICS.
Ethics of environment and development : global challenge, international
R5 response. Tucson : University of Arizona Press, c1990.
HD75.6 .E844 1991

CONIFERS--FROST RESISTANCE.
Burr, Karen Elizabeth. Cold hardiness, root growth capacity, and bud
R6 dormancy testing of conifer seedlings. 1987.
SD397.C7 B877 1987a

CONIFERS--SEEDLINGS.
Burr, Karen Elizabeth. Cold hardiness, root growth capacity, and bud
R6 dormancy testing of conifer seedlings. 1987.
SD397.C7 B877 1987a

CONIFERS--SEEDLINGS--ROOTS.
Burr, Karen Elizabeth. Cold hardiness, root growth capacity, and bud
R6 dormancy testing of conifer seedlings. 1987.
SD397.C7 B877 1987a

DOUGLAS FIR--DROUGHT RESISTANCE.
Coleman, Mark. Water relations of ectomycorrhizal Douglas-fir. 1988.
R7 QK495.P66 C644 1988

DOUGLAS FIR--ROOTS.
Coleman, Mark. Water relations of ectomycorrhizal Douglas-fir. 1988.
R7 QK495.P66 C644 1988

ECONOMIC DEVELOPMENT--ENVIRONMENTAL ASPECTS.
Ethics of environment and development : global challenge, international
R5 response. Tucson : University of Arizona Press, c1990.
HD75.6 .E844 1991

ECONOMIC DEVELOPMENT--MORAL AND ETHICAL ASPECTS.
Ethics of environment and development : global challenge, international
R5 response. Tucson : University of Arizona Press, c1990.
HD75.6 .E844 1991

ECTOMYCORRHIZAS--DROUGHT RESISTANCE.
R7 Coleman, Mark. Water relations of ectomycorrhizal Douglas-fir. 1988.
QK495.P66 C644 1988

ENVIRONMENTAL POLICY.
Silver, Cheryl Simon. One earth, one future : our changing global
R8 environment. Washington, D.C. : National Academy Press, c1990.
GF75 .S559 1990

ENVIRONMENTAL POLICY--MORAL AND ETHICAL ASPECTS.
Ethics of environment and development : global challenge, international
R5 response. Tucson : University of Arizona Press, c1990.
HD75.6 .E844 1991

FIRE ECOLOGY--ALASKA--WALKER LAKE REGION.
Christiansen, Janet S. A spruce-lichen woodland in northern Alaska : post-
R4 fire regeneration and community dynamics. 1988.
SD397.S77 C484 1988

FOREST MANAGEMENT.
Burr, Karen Elizabeth. Cold hardiness, root growth capacity, and bud
R6 dormancy testing of conifer seedlings. 1987.
SD397.C7 B877 1987a

People and trees : the role of social forestry in sustainable development.
R9 Washington, D.C. : World Bank, 1989.
SD387.P74 P466 1989

FOREST RESERVES--U. S.--MANAGEMENT.
U. S. General Accounting Office. Federal timber sales : process for appraising timber offered for sale needs to be improved : report to
R10 congressional requesters. Washington, DC : The Office, 1990.
SD427.T5 G464 1990

FOREST RESERVES--U. S.--MANAGEMENT--EVALUATION.
U. S. General Accounting Office. Wilderness preservation : problems in some national forests should be addressed : report to the Chairman, Subcommittee on National Parks and Public Lands, Committee on Interior and
R11 Insular Affairs, House of Representatives. Washington, D.C. : The Office, 1989.
QH76 .G4647 1989

FOREST RESERVES--U. S.--MULTIPLE USE.
U. S. General Accounting Office. Wilderness preservation : problems in some national forests should be addressed : report to the Chairman,
R11 Subcommittee on National Parks and Public Lands, Committee on Interior and Insular Affairs, House of Representatives. Washington, D.C. : The Office, 1989.
QH76 .G4647 1989

FOREST RESERVES--U. S.--RECREATIONAL USE.
National forests : special recreation areas not meeting established
R12 objectives : report to the chairman, Subcommittee on National Parks and Public Lands, Committee on Interior and Insular Affairs, House of Representatives. Washington, D.C. : The Office, [1990]
GV191.67.F6 N3754 1990

U. S. General Accounting Office. Wilderness preservation : problems in some national forests should be addressed : report to the Chairman, Subcommittee on
R11 National Parks and Public Lands, Committee on Interior and Insular Affairs, House of Representatives. Washington, D.C. : The Office, 1989.
QH76 .G4647 1989

FORESTS AND FORESTRY--ENVIRONMENTAL ASPECTS--ALASKA.
MacDonald, Lee H. Monitoring guidelines to evaluate effects of forestry
R13 activities on streams in the Pacific Northwest and Alaska. Seattle, Wash. : U.S. EPA, Region 10, 1991.
SD387.E58 M334 1991

FORESTS AND FORESTRY--ENVIRONMENTAL ASPECTS--NORTHWEST, PACIFIC.
MacDonald, Lee H. Monitoring guidelines to evaluate effects of forestry
R13 activities on streams in the Pacific Northwest and Alaska. Seattle, Wash. : U.S. EPA, Region 10, 1991.
SD387.E58 M334 1991

FORESTS AND FORESTRY--GOVERNMENT OWNERSHIP--ECONOMIC ASPECTS.
U. S. General Accounting Office. Federal timber sales : process for
R10 appraising timber offered for sale needs to be improved : report to congressional requesters. Washington, DC : The Office, 1990.
SD427.T5 G464 1990

FUELWOOD--ENVIRONMENTAL ASPECTS.
R1 Reinhardt, Timothy E. Chlorinated emissions in smoke from burning forest fuels. 1987.
SD387.P7 R346 1987

GAS INDUSTRY--STANDARDS--U. S.
U. S. BLM/FS Rocky Mountain Regional Coordinating Committee. Oil and gas :
R14 surface operating standards for oil and gas exploration and development. 3rd ed. [Washington, D.C.?] : The Bureau : The Service, [1989]
HD242.5 .L356 1989

GAS, NATURAL--LAW AND LEGISLATION--U. S.
U. S. BLM/FS Rocky Mountain Regional Coordinating Committee. Oil and gas :
R14 surface operating standards for oil and gas exploration and development. 3rd ed. [Washington, D.C.?] : The Bureau : The Service, [1989]
HD242.5 .L356 1989

GLOBAL WARMING.
Silver, Cheryl Simon. One earth, one future : our changing global
R8 environment. Washington, D.C. : National Academy Press, c1990.
GF75 .S559 1990

HYDROLOGY, FOREST--ALASKA.
MacDonald, Lee H. Monitoring guidelines to evaluate effects of forestry
R13 activities on streams in the Pacific Northwest and Alaska. Seattle, Wash. : U.S. EPA, Region 10, 1991.
SD387.E58 M334 1991

HYDROLOGY, FOREST--NORTHWEST, PACIFIC.
MacDonald, Lee H. Monitoring guidelines to evaluate effects of forestry
R13 activities on streams in the Pacific Northwest and Alaska. Seattle, Wash. : U.S. EPA, Region 10, 1991.
SD387.E58 M334 1991

MAN--INFLUENCE ON NATURE.
Silver, Cheryl Simon. One earth, one future : our changing global
R8 environment. Washington, D.C. : National Academy Press, c1990.
GF75 .S559 1990

NATIONAL PARKS AND RESERVES--U. S.--MANAGEMENT.
National forests : special recreation areas not meeting established
R12 objectives : report to the chairman, Subcommittee on National Parks and Public Lands, Committee on Interior and Insular Affairs, House of Representatives. Washington, D.C. : The Office, [1990]
GV191.67.F6 N3754 1990

NATURE CONSERVATION--U. S.--EVALUATION.
U. S. General Accounting Office. Wilderness preservation : problems in some national forests should be addressed : report to the Chairman, Subcommittee on National Parks and Public Lands, Committee on Interior and
R11 Insular Affairs, House of Representatives. Washington, D.C. : The Office, 1989.
QH76 .G4647 1989

OIL AND GAS LEASES--U. S.
U. S. BLM/FS Rocky Mountain Regional Coordinating Committee. Oil and gas :
R14 surface operating standards for oil and gas exploration and development. 3rd ed. [Washington, D.C.?] : The Bureau : The Service, [1989]
HD242.5 .L356 1989

OUTDOOR RECREATION--ENVIRONMENTAL ASPECTS--U. S.
U. S. General Accounting Office. Wilderness preservation : problems in some national forests should be addressed : report to the Chairman, Subcommittee on National Parks and Public Lands, Committee on Interior and
R11 Insular Affairs, House of Representatives. Washington, D.C. : The Office, 1989.
QH76 .G4647 1989

PETROLEUM INDUSTRY AND TRADE--STANDARDS--U. S.
U. S. BLM/FS Rocky Mountain Regional Coordinating Committee. Oil and gas :
R14 surface operating standards for oil and gas exploration and development. 3rd ed. [Washington, D.C.?] : The Bureau : The Service, [1989]
HD242.5 .L356 1989

PETROLEUM LAW AND LEGISLATION--U. S.
U. S. BLM/FS Rocky Mountain Regional Coordinating Committee. Oil and gas : surface operating standards for oil and gas exploration and development. 3rd ed. [Washington, D.C.?] : The Bureau : The Service, [1989]
R14 HD242.5 .L356 1989

PLANT COMMUNITIES--ALASKA--WALKER LAKE REGION.
Christiansen, Janet S. A spruce-lichen woodland in northern Alaska : post-fire regeneration and community dynamics. 1988.
R4 SD397.S77 C484 1988

PLANT PROPAGATION.
Burr, Karen Elizabeth. Cold hardiness, root growth capacity, and bud dormancy testing of conifer seedlings. 1987.
R6 SD397.C7 B877 1987a

PLANTS--ABSORPTION OF WATER.
Coleman, Mark. Water relations of ectomycorrhizal Douglas-fir. 1988.
R7 QK495.P66 C644 1988

POLLUTION.
Silver, Cheryl Simon. One earth, one future : our changing global environment. Washington, D.C. : National Academy Press, c1990.
R8 GF75 .S559 1990

PRESCRIBED BURNING--ENVIRONMENTAL ASPECTS.
Reinhardt, Timothy E. Chlorinated emissions in smoke from burning forest fuels. 1987.
R1 SD387.P7 R346 1987

PRESCRIBED BURNING--MATHEMATICAL MODELS.
Reinhardt, Timothy E. Chlorinated emissions in smoke from burning forest fuels. 1987.
R1 SD387.P7 R346 1987

RECLAMATION OF LAND--LAW AND LEGISLATION--U. S.
U. S. BLM/FS Rocky Mountain Regional Coordinating Committee. Oil and gas : surface operating standards for oil and gas exploration and development. 3rd ed. [Washington, D.C.?] : The Bureau : The Service, [1989]
R14 HD242.5 .L356 1989

RECREATION AREAS--U. S.
National forests : special recreation areas not meeting established objectives : report to the chairman, Subcommittee on National Parks and Public Lands, Committee on Interior and Insular Affairs, House of Representatives. Washington, D.C. : The Office, [1990]
R12 GV191.67.F6 N3754 1990

SEEDS--COLORADO--HANDBOOKS, MANUALS, ETC.
Elias, Scott A. Photographic atlas and key to windblown seeds of alpine plants from Niwot Ridge, Front Range, Colorado, U.S.A. Boulder, Colo. : University of Colorado, Institute of Arctic and Alpine Research : 1987.
R2 QC994.8.C32 no.45

SLASH (LOGGING)--ENVIRONMENTAL ASPECTS.
Reinhardt, Timothy E. Chlorinated emissions in smoke from burning forest fuels. 1987.
R1 SD387.P7 R346 1987

SMOKE--ENVIRONMENTAL ASPECTS.
Reinhardt, Timothy E. Chlorinated emissions in smoke from burning forest fuels. 1987.
R1 SD387.P7 R346 1987

SOCIAL FORESTRY PROGRAMS.
People and trees : the role of social forestry in sustainable development. Washington, D.C. : World Bank, 1989.
R9 SD387.P74 P466 1989

TAIGA ECOLOGY--ALASKA--WALKER LAKE REGION.
Christiansen, Janet S. A spruce-lichen woodland in northern Alaska : post-fire regeneration and community dynamics. 1988.
R4 SD397.S77 C484 1988

TIMBER--GOVERNMENT OWNERSHIP--ECONOMIC ASPECTS.
U. S. General Accounting Office. Federal timber sales : process for appraising timber offered for sale needs to be improved : report to congressional requesters. Washington, DC : The Office, 1990.
R10 SD427.T5 G464 1990

TREES.
People and trees : the role of social forestry in sustainable development. Washington, D.C. : World Bank, 1989.
R9 SD387.P74 P466 1989

U. S.--FOREST POLICY--HISTORY.
U. S. General Accounting Office. Federal timber sales : process for appraising timber offered for sale needs to be improved : report to congressional requesters. Washington, DC : The Office, 1990.
R10 SD427.T5 G464 1990

U. S. FOREST SERVICE.
National forests : special recreation areas not meeting established objectives : report to the chairman, Subcommittee on National Parks and Public Lands, Committee on Interior and Insular Affairs, House of Representatives. Washington, D.C. : The Office, [1990]
R12 GV191.67.F6 N3754 1990

U. S. FOREST SERVICE--MANAGEMENT--EVALUATION.
U. S. General Accounting Office. Wilderness preservation : problems in some national forests should be addressed : report to the Chairman, Subcommittee on National Parks and Public Lands, Committee on Interior and Insular Affairs, House of Representatives. Washington, D.C. : The Office, 1989.
R11 QH76 .G4647 1989

WATER QUALITY MANAGEMENT--ALASKA.
MacDonald, Lee H. Monitoring guidelines to evaluate effects of forestry activities on streams in the Pacific Northwest and Alaska. Seattle, Wash. : U.S. EPA, Region 10, 1991.
R13 SD387.E58 M334 1991

WATER QUALITY MANAGEMENT--NORTHWEST, PACIFIC.
MacDonald, Lee H. Monitoring guidelines to evaluate effects of forestry activities on streams in the Pacific Northwest and Alaska. Seattle, Wash. : U.S. EPA, Region 10, 1991.
R13 SD387.E58 M334 1991

WETLAND CONSERVATION--CONGRESSES.
Proceedings of the Symposium on Wetlands : Concerns and Successes.
R15 Bethesda, Md. : The Association, c1989.
QH87.3 .W474 1989

WETLANDS--COLORADO--PLATTE RIVER BASIN.
Gladwin, Douglas N. Section 404 and wetland alterations in the Platte River Basin of Colorado. Washington, D.C. : U.S. Dept. of the Interior,
R16 Fish and Wildlife Service : Springfield, VA : National Technical Information Service, 1992.
QH87.3 .G622 1992

WETLANDS--CONGRESSES.
Proceedings of the Symposium on Wetlands : Concerns and Successes.
R15 Bethesda, Md. : The Association, c1989.
QH87.3 .W474 1989

WETLANDS--LAW AND LEGISLATION--U. S.
Gladwin, Douglas N. Section 404 and wetland alterations in the Platte River Basin of Colorado. Washington, D.C. : U.S. Dept. of the Interior,
R16 Fish and Wildlife Service : Springfield, VA : National Technical Information Service, 1992.
QH87.3 .G622 1992

WHITE SPRUCE--ALASKA--WALKER LAKE REGION.
Christiansen, Janet S. A spruce-lichen woodland in northern Alaska : post-
R4 fire regeneration and community dynamics. 1988.
SD397.S77 C484 1988

WILDERNESS AREAS--U. S.--MANAGEMENT.
U. S. General Accounting Office. Wilderness preservation : problems in some national forests should be addressed : report to the Chairman,
R11 Subcommittee on National Parks and Public Lands, Committee on Interior and Insular Affairs, House of Representatives. Washington, D.C. : The Office, 1989.
QH76 .G4647 1989

WILDERNESS AREAS--U. S.--RECREATIONAL USE.
U. S. General Accounting Office. Wilderness preservation : problems in some national forests should be addressed : report to the Chairman,
R11 Subcommittee on National Parks and Public Lands, Committee on Interior and Insular Affairs, House of Representatives. Washington, D.C. : The Office, 1989.
QH76 .G4647 1989

HOT OFF THE CATALOGING SHELF

Aquatic Ecology. National Research Council (U.S) Committee on Restoration of Aquatic Ecosystems -- Science, Technology,
R17 and Public Policy. Restoration of aquatic ecosystems: science, technology, and public policy. Washington, D.C. : National Academy Press, 1992.
QH541.5.W3 N387 1992

NEW REFERENCE BOOKS

U.S. STATISTICS. Statistical Abstract of the United States -- Washington, D.C. : U.S. Census Bureau, 1992.
REF HA202 .S73 1992

Step **1**

Indicate here the date of this Monthly Alert:

MAY 1992

Mark in the spaces below the number(s) of the item(s) you are requesting.

Please [illegible] more than 20 items. [illegible] Sections will be sent to you [illegible] SEVENTEEN COPIES or as LIBRARY LOANS.

Step **2**

Please read the Copyright Information below and sign the provided statement. Your signature is needed under provisions of the new U.S. Copyright law.

NOTICE:
WARNING CONCERNING
COPYRIGHT RESTRICTIONS

- The copyright law of the United States (Title 17, United States Code) governs the making of photocopies or other reproductions of copyrighted material.
- Under certain conditions specified in the law, libraries and archives are authorized to furnish a photocopy or other reproduction. One of these specified conditions is that the photocopy or reproduction is not to be "used for any purpose other than private study, scholarship, or research." If a user makes a request for, or later uses, a photocopy or reproduction for purposes in excess of "fair use," that user may be liable for copyright infringement.
- This institution reserves the right to refuse to accept a copying order if, in its judgment, fulfillment of the order would involve violation of copyright law.

I accept responsibility for compliance should restrictions apply to documents I am requesting.

Signature

Step **3**

Fill in your name, organizational and mail name, and mailing address including zip code.

Name (please print)

Job Title

Office Name and Location

Mail Code

Telephone (FTS if available)

MONTHLY ALERT issues cannot be sent to home addresses.

NOTICE

This issue expires 03/01/93 when ALERT numbers no longer apply. After the expiration date, give a full bibliographic citation when you ask for a publication.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
BUILDING 50, DENVER FEDERAL CENTER
P.O. BOX 25047
DENVER, COLORADO 80225-0047

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE $300

AN EQUAL OPPORTUNITY EMPLOYER

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF THE INTERIOR
INT 415

FIRST CLASS MAIL

BLM Library
Service Center, SC-653
Building 50, Denver Federal Center
P.O. Box 25047
Denver, Colorado 80225-0047

END

FILMED

4 / 1 / 93